ECS Configuration Change Request

1. Originator Cherry Kenney	2. Log Date: **5/7/02**	3. CCR #: **02-0382**	4. Rev: —	5. Tel: 301-883-4177	6. Rm #: 3204D	7. Dept. DEV/CO

8. CCR Title: Patch_ 6A.05_PDPS.03B For All DAACs   Contains fixes for ten Sev 2 NCRs , five Sev 3 NCRs and one Sev 4 NCR.

9. Originator Signature/Date **Cherry A. Kenney /s/ 5/7/02**		10. Class **II**	11. Type: **CCR**	12. Need Date: 07May02
13. Office Manager Signature/Date **John Cockey /s/ 5/7/02**		14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency
16. Documentation/Drawings Impacted:		17. Schedule Impact:	18. CI(s) Affected:PDPS	

19. Release Affected by this Change: 6A	20. Date due to Customer: 07May02	21. Estimated Cost: None - Under 100K

22. Source Reference: ☒ NCR (attach)   ☐ Action Item ☐ Tech Ref. ☐ GSFC ☐ Other:
See page 2 for NCR list

23. Problem: (use additional Sheets if necessary)
See page 2 for NCR list

24. Proposed Solution: (use additional sheets if necessary)
Deliver Patch_6A.05_PDPS.03B Patch must be installed on top of TE_6A.05_PDPS.02 .
Tarfile was made on May 3, 2002.

25. Alternate Solution: (use additional sheets if necessary)
Delay testing; wait until next full system delivery.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Delays in testing or possible delays in 6A.05   operational testing

27. Justification for Emergency (If Block 15 is "Emergency"):
Needed immediately following the delivery of 6A.05.

28. Site(s) Affected: ☐ EDF ☒ PVC ☒ VATC ☒ EDC   ☒ GSFC ☒ LaRC ☒ NSIDC ☐ SMC ☐ AK ☐ JPL
☐ EOC ☐ IDG Test Cell ☐ Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): **A. Abtahi /s/ 5/7/02**	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): **Debra Stepp /s/ 5/7/02**	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #:   02-0382 Rev: Originator: Cherry Kenney

Telephone: 301-883-4177   **Office:** 3204D

Title of Change: Patch_ 6A.05_PDPS.03B For All DAACs   Contains fixes for ten Sev 2 NCRs, five Sev 3 NCRs and one Sev 4 NCR.

Actions

> Please make a set of tar files from 6A.05 baseline
>
> 1 SUN tar file with the following packages:
>
> .EcDpAITWS.pkg
> .EcDpAtODL.pkg
> .EcDpPrPLNMGMTWS.pkg
> .EcDpPrQUESRVR.pkg
> .EcPlDatabase.pkg
> .EcPlPLNMGMTWS.pkg
> .EcPlQUESRVR.pkg
> .EcPlODPRM.pkg
>
> 1 IRIX65 tar file with the following package:
>
> .EcDpScSCNCPRCS.pkg
>
> Please name these tar files Patch_6A.05_PDPS.03

Please deliver tarfiles to All DAACs.

>
NCRs List

ECSed31549 - Sev2	Can't activate routine processing
ECSed25093 - Sev3	EcDpAtRegisterPGE Does Not Identify Failed ODL Files
ECSed25191- Sev4	Misleading Message: All CPUs in use for this computer
ECSed33232- Sev2	Load balancing on science processors with unequal capacities difficult(Database Patch 6A28)
ECSed33809 Sev3	PM-1 DPREP: incomplete implementation of NCR 31810.
ECSed31061 Sev2	Cannot build DPREP under 6A.04 due to missing libraries.
ECSed33913 Sev3	PM-1 DPREP errors in missing status word flagging
ECSed33635 Sev3	Completed ODP Orders not getting updated in MSS db
ECSed22760 Sev3	Errorneous Message Issued on PGE Operational Data
ECSed32551 Sev2	dpr creation fails with extra input granule found
ECSed33389 Sev2	GSFC/SMC: PM1 attitude flagging at dataset boundary (MOSS6)
ECSed33871 Sev2	Production Request Editor failed to delete PR
ECSed33896 Sev2	Deletion Client fails to garbage collect after failing with deadlock
ECSed33914 Sev2	On-demand orders stay in queued state
ECSed33857 Sev2	AM1Eph optional input production rules impact performance
ECSed33681 Sev2	Orders failed in 'staging' step in AutoSys

DAAC INSTALL INSTRUCTIONS

1. Get TAR Files from CM distribution.

> .EcDpPrPLNMGMTWS.pkg
> .EcDpPrQUESRVR.pkg
> .EcPlPLNMGMTWS.pkg
> .EcPlQUESRVR.pkg
> .EcPlODPRM.pkg
> .EcDpAITWS.pkg
> .EcDpAtODL.pkg
> .EcPlDatabase.pkg
> .EcDpScSCNCPRCS.pkg

2. UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "N" when prompted for "Update ECS Assist Common Files".

3. On a SUN host, use E.A.S.I. to perform automated installation of all nine packages listed.

4. On the host where the PDPS Database package (.EcPlDatabase.pkg) is installed, bring up Ecs Assist Subsystem Manager and install the following database Patch:

Patch 6A28 - Modified Stored Procedures:
ProcFindMachineFromLimitsTable
ProcFindMachineFromRscReq
ProcAssignMachineToChain
ProcMachineAssignment
ProcGetReadyDPRs
Dropped Stored Procedure that is no longer used, ProcFindPrimaryInput
All procedures were modified to take a dprId input arg instead of a chainId
Significant changes are made to ProcFindMachineFromLimitsTable, which
was changed to minimize the increase of loading for this DPR by considering the current number of scheduled CPUs on all machines for which it is declared to run on. See ProcFindMachineFromLimitsTable for further details
Changes were also made to ProcGetReadyDPRs to verify that only a single number is used for maxConcurrent on all machines that a DPR can run on.This number is used to determine how many additional DPRs can be released #
to AutoSys .

5. Restart   PDPS servers

6. Make sure the PDPS servers are up and running. Check the output logs for any errors.

************************END OF INSTALL INSTRUCTIONS***

Test Report is attached.